## Contents

- Asaeda M., Haagerup U.: Exotic Subfactors of Finite Depth with Jones Indices  $(5+\sqrt{13})/2$  and  $(5+\sqrt{17})/2$
- Avan J., Frappat L., Rossi M., Sorba P.: Universal Construction of  $W_{q,p}$ Algebras 445
- Azevedo A. V., Marchesin D., Plohr B., Zumbrun K.: Bifurcation of Nonclassical Viscous Shock Profiles from the Constant State 267
- Balinsky A. A., Evans W. D.: Stability of One-Electron Molecules in the Brown-Ravenhall Model 481
- Bechtluft-Sachs S., Hien M.: The Global Defect Index 403
- Berger J., Rubinstein J.: On the Zero Set of the Wave Function in Superconductivity 621
- Boca F. P.: Projections in Rotation
  Algebras and Theta Functions 325
- Combescure M., Ralston J., Robert D.: A Proof of the Gutzwiller Semiclassical Trace Formula Using Coherent States Decomposition 463
- Dong C., Nagatozno K.: Representations of Vertex Operator Algebra  $V_L^+$  for Rank One Lattice L=169
- Evans W. D. → Balinsky A. A. 481
- Frappat L. → Avan J. 445
  Furlan P., Ganchev A. Ch., Petkova V. B.:
  An Extension of the Character Ring of sl(3) and Its Quantisation 701
- Gallavotti G., Gentile G., Mastropietro V.: Separatrix Splitting for Systems with Three Time Scales 197
  Ganchev A. Ch. → Furlan P. 701

- Gauntlett J. P., Lambert N. D., West P. C.: Branes and Calibrated Geometries 571
- Gentile G. → Gallavotti G. 197
- Gibbons G. W., Papadopoulos G.: Calibrations and Intersecting Branes 593
- Gilmer P. M.: Skein Theory and Witten-Reshetikhin-Turaev Invariants of Links in Lens Spaces 411
- Haagerup U. → Asaeda M. 1 Hawkins E.: Quantization of Equivariant Vector Bundles 517
- Helffer B., Hoffmann-Ostenhof M., Hoffmann-Ostenhof T., Owen M. P.: Nodal Sets for Groundstates of Schrödinger Operators with Zero Magnetic Field in Non Simply Connected Domains
- Hiai F., Petz D.: Properties of Free Entropy Related to Polar Decomposition 421
- Hien M.  $\rightarrow$  Bechtluft-Sachs S. 403 Hoffmann-Ostenhof M.  $\rightarrow$  Helffer B. 629
- Hoffmann-Ostenhof T.  $\rightarrow$  Helffer B. 629
- Hoshiro T.: Mourre's Method and Smoothing Properties of Dispersive Equations 255
- Ito K. R., Tamura H.: N Dependence of Upper Bounds of Critical Temperatures of 2D O(N) Spin Models 127
- Khalkhali M.: Operations on Cyclic Homology, the X Complex, and a Conjecture of Deligne 309

Kopper C.: Mass Generation in the Large N-Nonlinear  $\sigma$ -Model 89

Lambert N. D. → Gauntlett J. P. 571

Marchesin D. → Azevedo A. V. 267 Mastropietro V. → Gallavotti G. 197 Mohri K.: Kähler Moduli Space for a D-Brane at Orbifold Singularities 669

Nagatomo K. → Dong C. 169 Natsume T., Nest R.: Topological Approach to Quantum Surfaces 65 Nest R. → Natsume T. 65

Owen M. P. → Helffer B. 629

Papadopoulos G.  $\rightarrow$  Gibbons G. W. 593

Pasquale A. → van Dijk G. 651 Petkova V. B. → Furlan P. 701 Petz D. → Hiai F. 421

Piterbarg L. I., Piterbarg V. V.: Intermittency of the Tracer Gradient 237

Piterbarg V. V.  $\rightarrow$  Piterbarg L. I. 237 Plohr B.  $\rightarrow$  Azevedo A. V. 267

Ralston J. → Combescure M. 463

Robert D. → Combescure M. 463 Rossi M. → Avan J. 445 Rubinstein J. → Berger J. 621

Schilling A., Warnaar S. O.: Inhomogeneous Lattice Paths, Generalized Kostka Polynomials and  $A_{n-1}$  Supernomials 359 Sorba P.  $\rightarrow$  Avan J. 445 Szepessy A.: Dynamics and Stability of a Weak Detonation Wave 547

Tamura H. → Ito K. R. 127

van Dijk G., Pasquale A.: Canonical Representations of Sp(1,n)Associated with Representations of Sp(1) 651

Wang G., Zhang L.: Non-Topological Solutions of the Relativistic SU(3) Chern–Simons Higgs Model 501 Wang S.: Rieffel Type Discrete Deformation of Finite Quantum Groups 291 Warnaar S. O. → Schilling A. 359 West P. C. → Gauntlett J. P. 571

Zhang L.  $\rightarrow$  Wang G. 501 Zumbrun K.  $\rightarrow$  Azevedo A. V. 267

